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## EFFECT OF HILPOLEN SULFIDE ON THE OXIDATION PROCESSES

Z. A. Illina, S. N. Kremneva, F. B. Shakhnovskaya

The authors status the intensity of the oxygen consumption, glycolysis, and speed of derivitation to the liver, muscles, and brain of rats subjected to the inhibitation for meethers of bydrogen sulfide of a concentration of 0.3-1 milliprom partitles. All if these readings were made on each animal at the same time contermations on control animals were made for each test and the test determinations on control animals were made for each test and the test determinations of the percent of the norm. Immediately after the completion of the massive response, the majority of these cases not only indicated a drop on the consumption of oxygen, but also a reduction in the intensity of giverivate and special of dehydration. When sodium succinate was added as a hydrogen deasther, the speed of dehydration in the muscles was reduced more clumply then in cases of dehydration of its natural hydrogen donators. However, one hear after the exposure, the intensity of the processes of dehydration and givenly as exceeded the norm by a considerable amount although the asymptotic papiration of the muscles remained reduced.

In nearly wis the cases, the laver indicated a reduction in the quantity of exygen consumed and at the rame time an obvious intensification of glycolysis and dehydretion. The consumption of exygen in the brain was somewhat lower in some of the arrawls, while in others there was a significantly higher norm. The speed of dehydration in the greater number of cases increased or remained normal, and only in accordance third of the cases was it reduced, and then moderately. The processes of glycolysis were intensified in nearly all cases

As for the ratio of the intensity of exidation processes in the brain in both the mild and something of these it paraching, it was found that both the aerobic and supercharge and or respiration proceeded less energetically in the milder ways

The sathers came to the complesson that in poisoning by bydrogen sulfide, both scrobing and an interpolation are affected. The scrobic processes

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